Title (en)

MULTI-FACTOR BEAM SELECTION FOR CHANNEL SHAPING

Title (de)

MULTIFAKTORIELLE STRAHLAUSWAHL ZUR KANALFORMUNG

Title (fr)

SÉLECTION DE FAISCEAU MULTI-FACTEUR POUR LA MISE EN FORME DE CANAL

Publication

EP 4248580 A1 20230927 (EN)

Application

EP 21801371 A 20211008

Priority

- US 202016953232 A 20201119
- US 2021054173 W 20211008

Abstract (en)

[origin: US11153000B1] Methods, systems, and devices for wireless communications are described. A user equipment (UE) may measure a beam quality metric associated with a reference signal for each candidate beam of a plurality of candidate beams. The UE may determine a set of channel characteristics for each candidate beam of the plurality of candidate beams, where the set of channel characteristics indicates to the UE a level of channel equalization by the UE associated with processing signaling on each candidate beam of the plurality of candidate beams. In some cases, the set of channel characteristics may include a frequency selectiveness of a channel for each candidate beam of the plurality of candidate beams. The UE may select a candidate beam from the plurality of candidate beams based on the beam quality metric and the set of channel characteristics and communicate with a base station using the selected candidate beam.

IPC 8 full level

H04B 7/08 (2006.01); **H04B 7/06** (2006.01)

CPC (source: EP US)

H04B 7/043 (2013.01 - US); **H04B 7/0695** (2013.01 - EP US); **H04B 7/06954** (2023.05 - EP); **H04B 7/088** (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

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